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MEMORANDUM FOR: Executive Officer, DDA

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Chief, Management Staff, ODP

SUBJECT: ODP Annual Report

Accomplishments

1.   A major part of ODP effort and attention is turned toward leading the way to improving the productivity of the ODP user community. The potential for productivity can be enhanced by improving the availability of the ODP systems (the ratio of the amount of time a system is actually operational to the scheduled time for the system to be operational) and by increasing access to those systems. During 1981, productivity measurements revealed that:

- Both the central batch and interactive services maintained availability figures in excess of 97 percent.

- The CAMS production system's availability was increased from 96 to 97 percent.

- The average peak number of concurrent users of the interactive system increased by 14 percent to 318 users and the number of individual users increased by 18 percent to 4,000.

2.   Other accomplishments during 1981 in computer center operations include:
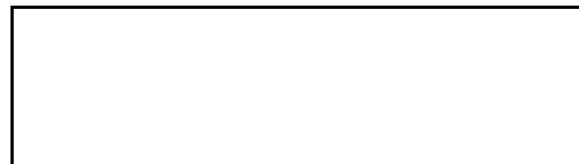
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- A new computer system (IBM 3033 multiprocessor) was installed to increase the capacity for interactive services to 400 concurrent users. In addition to supporting a larger user population, this hardware and software upgrade for interactive services has provided a modest improvement in response time as well.

- A new service (Access Control Facility--ACF2) was installed to provide data file access and protection. In addition, an ACF2 users group was established to assist in the staged implementation of this service.

- The necessary software was implemented to enable online access to a cut-paper printer and the daily General Accounting System (GAS) job stream and several selected reports were converted to use this capability.

- A single, third party maintenance contractor was selected to maintain the Technical Analysis and Display System (TADS), which includes equipment purchased from three different vendors. This contract resulted in more responsive service at a reduced cost.

- Data base management responsibilities were expanded by a net increase of 11 data bases to a total of 105 and the increase of 350 additional users brought the total users up to 2,734.

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- In the Special Computer Center, the VM interactive service was installed. In addition, the CENCO GIMS system was transferred from the Ruffing Center. Furthermore, an Amdahl V/6 computer system was moved from the Ruffing Center to the Special Center to support growing DDO requirements for Project STAR and other online support.

- A major conversion of operating system software was installed on eight computers supporting batch services. In addition, new releases of 20 major program products were provided for batch users.

3. In 1981, the ongoing CAMS I support was continued and development of CAMS II was begun. Major changes were made to CAMSTACK, interactive color graphics for the CAMS Production System, and to the dual mode software for the collectors. The functional requirement document for CAMS II Processing Segment was completed and placed under CAMS configuration control on 16 March. This document is the basis for both funding and awarding the Processing Segment development contract. The CAMS II operational concepts document was published. It is the source document for establishing all functional requirements in the operating environment. Furthermore, a development contract covering Phase I and Phase II of the Processing Segment was awarded in July. This contract runs through September 1985.

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4. The SAFE systems requirement specification was baselined in May 1981. This specification, along with the user language specification, which was largely developed in 1981, forms the technical base of reference for the software development effort. Six Burroughs computers were acquired through competitive procurement and installed in the contractor's facility in California to support the software development effort. A Pilot Mail Operation software capability was developed and implemented in the Ruffing Center to assess analysts' reactions to a SAFE-like message analysis and dissemination process. This capability required additional disk storage and the installation of additional display terminals. The wideband BUS communications system was installed throughout the Headquarters building. Engineering testing of the cable was started and is expected to be completed in December. Renovation of the CIA SAFE Computer Center's Phase I area, approximately 9,000 square feet, was completed in September at which time the first CIA SAFE computer was installed. This computer will permit operations personnel to become familiar with operational procedures and facilitate development of operations documentation.

5. In the area of general applications software, ODP continued to provide a broad range of support to Agency components and the Intelligence Community. Some examples:

- A Message Processing System (MPS) was implemented.
MPS distributes cables received from OC to customers
throughout the Agency. It is supported by a 24-hour
monitoring and processing service and establishes the
protocol that will be used in Project SAFE.

- An automated full-time equivalent (FTE) ceiling
control and reporting system was designed and
implemented. This system replaces the numerical end-of-
year personnel ceilings previously used to control the
size of the work force.

- Phases I and II of a management information system
(MAINS) were installed for OC. The system provides OC
the capability for online processing, retrieval, and
reporting of cables from overses field stations. It
also includes management information for tracking OC
travel.

- A new version of the Technical Analysis and Display
System (TADS) graphics edit features was designed and
implemented, significantly increasing OSWR analyst
productivity on TADS.

- The installation of software for the DO's [   ]   25X1
11/45 minicomputer was completed. Terminals are now
connected to five other government agencies. The system
will support crisis management and analyst studies in
addition to processing information on terrorist
activities.

- A minicomputer-based system was installed at an OSO ground site to support logistics and administrative functions. This system was a duplicate of one previously developed for the OD&E ground site.

- A requirements study on Computer Aided Design (CAD) was completed for the Office of Imagery Analysis and an Agency CAD users group was formed to coordinate Agency-wide CAD requirements.

- Seventy word processing requests were received and evaluated from Agency components. Forty-nine requests were approved and accepted, leading to the procurement and installation of 223 work stations.

6. The ODP Training Staff conducted a total of 120 courses (24 unique courses) to provide training for 1,850 personnel. Also, six in-house courses were contracted for which provided training to 100 personnel. In addition, the Training Staff administered self-study courses which were completed by 325 personnel.

Shortcomings and Resource Needs

Shortcomings and resource needs are coupled here to illustrate the reality of the past year that indeed, shortcomings were largely a function of resource needs. User requirements for terminals could not be fully met due to budgetary constraints and on terminal acquisitions and because of the inability to keep pace with demand for terminal installations. Also, a backlog of user requirements for applications software development were not met because of a shortage of Applications programmers to devote to

them. Thus, personnel shortage results from the necessity for allocating more and more Applications programmers to the maintenance of the expanding portfolio of developed applications systems, and an eight-year freeze on increasing the number of Applications programmers in ODP. (Some relief will be realized in FY 83 when ODP receives 20 of a requested 39 new slots for Applications programmers.)

Research and Development

Research and development efforts will be concentrated on the improvement of tools to facilitate the management of large data bases. In connection with the management of large data bases, and of particular concern, the improvement of security controls of these data bases.

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